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University of Toronto.

SCHOOL OF AGRICULTURE.

1864.

The requisites for obtaining the Diploma in Agriculture are as follows:—

Having produced satisfactory certificates of good conduct.

Having Matriculated in any of the Faculties, or having passed the Examination appointed for Matriculation in the School of Agriculture.

Being of the standing of Two years from Matriculation.

Having passed, in each of those years, an examination in the subjects prescribed for such year in the course appointed for Students in Agriculture.

EXAMINATIONS.

The Annual Examinations for Matriculation will be held in the latter part of the month of September.

The Examinations for the First and Second years will be held in the month of May.

Notice will be given annually, in January, of the day when the examinations will commence.

Every Student, who proposes to present himself at any examination, is required to send to the Registrar, at least three weeks before the day appointed, a paper (according to a printed form which will be provided), stating his standing, and whether he is a Candidate for Honors or otherwise.

FEES.

For Matriculation or Entrance..... four dollars.

For Diploma six dollars.

PRIZES.

A Prize, of the value of sixteen dollars in Books, will be given to the Student, who, at the examination of the First or of the Second Year, has been placed first in the First Class of Honors.

SUBJECTS OF EXAMINATION.

MATRICULATION.

English Grammar and Composition. _____

Arithmetic, including Mensuration. _____

EUCLID, B. I. _____

Outlines of English History to the present time.

Outlines of Modern Geography.

Geography of the British Empire, including her Colonies.

Principles of Agriculture. (Stephen's Catechism of Practical Agriculture; Johnston's Catechism of Agricultural Chemistry and Geology.)

FIRST YEAR.

English Composition.

Orthographical, Etymological, and Rhetorical forms of the English Language. (Craik's English Literature and Language.) *Book of reference.*—(Fowler's English Language, Parts III., IV., VII.)

History of English Literature, from Edward III. to James I., inclusive. (Craik's History of Literature and Learning in England, Bb. III., IV., V.)

Elements of Chemistry. (Fownes' Elements of Chemistry, Part II.)

Elements of General and Comparative Physiology. (Agassiz and Gould's Comparative Physiology.)

Elements of Botanical Science, structural and systematical. (Gray's First Lessons in Botany, Lindley's Classification.)

The properties and distinctive characters of the commonly occurring Mineral and Metallic Ores.

The structural characters, conditions of occurrence, and classifications of Rocks generally.

Geological Phenomena now in action, with theory of springs, currents, tides, winds, &c.

(Dana's Manual of Mineralogy; Lyell's Elementary Geology; Buff's Physics of the Earth. *A detailed synopsis of Professor Chapman's Lectures may be obtained by application to the Registrar.*)

History and Principles of Agriculture. (Johnston's Elements of Agricultural Chemistry and Geology; and Johnston's Lectures on do.; for the history, Loudon's Encyclopedia of Agriculture.)

SECOND YEAR.

Chemistry, as applied to Agriculture.

Comparative Physiology:—the Animal Kingdom.

Vegetable Organography and Physiology.

The Vegetable Kingdom.

(Clerk's Translation of Van Der Hoeven's Handbook of Zoology; Carpenter's Zoology; Gray's Botanical Text Book.)

Physical and Chemical characters of Minerals, including the application of Crystallography and the construction of Chemical Formulæ.

Classification and description of Minerals.

General principles of Geology fully considered.

Palæontology.

Leading Principles of Physical Geography as embraced in the present aspect and conditions of the Earth.

(Books of reference—Dana's system of Mineralogy, 4th Ed.; De la Beche's Geological Observer; Lyell's Principles and Elements of Geology; Somerville's Physical Geography; Johnston's Abridged Atlas; Synopsis of Professor Chapman's Lectures.)

Surveying, Mapping, and Farm Architecture.

History and Diseases of the Farm Animals. (Youatt's Treatise on the Horse, Cattle, Sheep, and the Pig.)

Practice of Agriculture, including the Management of Landed Property, Farm Finance and Accounts. (Stephen's Farmer's Guide; Low's Principles of Practical Agriculture.)

N.B.—This Statute will come into operation in September, 1865.